

Coast Guard, DHS

§ 148.10

Ventilation means exchange of air from outside to inside a cargo space and includes the following types:

(1) *Continuous ventilation* means ventilation that is operating at all times. Continuous ventilation may be either natural or mechanical;

(2) *Mechanical ventilation* means power-generated ventilation;

(3) *Natural ventilation* means ventilation that is not power-generated; and

(4) *Surface ventilation* means ventilation of the space above the cargo. Surface ventilation may be either natural or mechanical.

Vessel means a cargo ship or barge.

§ 148.5 Alternative procedures.

(a) The Commandant (CG-ENG-5) may authorize the use of an alternative procedure, including exemptions to the IMSBC Code (incorporated by reference, see §148.8), in place of any requirement of this part if it is demonstrated to the satisfaction of the Coast Guard that the requirement is impracticable or unnecessary and that an equivalent level of safety can be maintained.

(b) Each request for authorization of an alternative procedure must—

(1) Be in writing;

(2) Name the requirement for which the alternative is requested; and

(3) Contain a detailed explanation of—

(i) Why the requirement is impractical or unnecessary; and

(ii) How an equivalent level of safety will be maintained.

§ 148.7 OMB control numbers assigned under the Paperwork Reduction Act.

The information collection requirements in this part are approved by the Office of Management and Budget, and assigned OMB control number 1625-0025.

§ 148.8 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the Coast Guard must publish notice of change in the FEDERAL REG-

ISTER and the material must be available to the public. All approved material is available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030 or go to http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. Also, it is available

for inspection at the U.S. Coast Guard Hazardous Materials Division (CG-ENG-5), 2100 2nd St., SW., Stop 7126, Washington, DC 20593-7126, and is available from the sources listed below.

(b) International Maritime Organization (IMO), 4 Albert Embankment, London SE1 7SR, United Kingdom, +44 (0)20 7735 7611, <http://www.imo.org>.

(1) International Maritime Solid Bulk Cargoes Code and Supplement, 2009 edition (“IMSBC Code”), incorporation by reference, excluding supplemental materials, approved for §§148.3; 148.5(a); 148.15(d); 148.55(b); 148.205(b); 148.220(b) and (c); 148.240(h); 148.450(a), (d), and (g).

(2) [Reserved]

(c) United Nations Publications, 2 United Nations Plaza, Room DC2-853, Dept. C089, New York, NY 10017, (800) 253-9646, <http://unp.un.org>.

(1) Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, Fifth revised edition (2009) (“UN Manual of Tests and Criteria”), incorporation by reference approved for §§148.205(b); 148.220(b) and (c).

(2) [Reserved]

§ 148.9 Right of appeal.

Any person directly affected by enforcement of this part by or on behalf of the Coast Guard may appeal the decision or action under Subpart 1.03 of this chapter.

§ 148.10 Permitted materials.

(a) A material listed in Table 148.10 of this section may be transported as a bulk solid cargo on a vessel if it is carried according to this part. A material that is not listed in Table 148.10 of this section, but which is hazardous or a Potentially Dangerous Material (PDM), requires a Special Permit under §148.15 of this part to be transported on

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the navigable waters of the United States.

(b) For each listed material, Table 148.10 identifies the hazard class and gives the BCSN or directs the user to the preferred BCSN. In addition, the table lists specific hazardous or potentially dangerous characteristics associated with each material and specifies or references detailed special requirements in this part pertaining to the stowage or transport of specific bulk solid materials. The column descriptions for Table 148.10 are defined as follows:

(1) *Column 1: Bulk Solid Material Descriptions and Bulk Cargo Shipping Names (BCSN).* Column 1 lists the bulk solid material descriptions and the BCSNs of materials designated as hazardous or PDM. BCSNs are limited to those shown in Roman type. Trade names and additional descriptive text are shown in *italics*.

(2) *Column 2: I.D. Number.* Column 2 lists the identification number assigned to each BCSN associated with a hazardous material. Those preceded by the letters “UN” are associated with BCSNs considered appropriate for international voyages as well as domestic voyages. Those preceded by the letters “NA” are associated with BCSNs not recognized for international voyages, except to and from Canada.

(3) *Column 3: Hazard Class or Division.* Column 3 designates the hazard class or division, or PDM, as appropriate, corresponding to each BCSN.

(4) *Column 4: References.* Column 4 refers the user to the preferred BCSN corresponding to bulk solid material descriptions listed in Column 1.

(5) *Column 5: Hazardous or Potentially Dangerous Characteristics.* Column 5 specifies codes for hazardous or potentially dangerous characteristics applicable to specific hazardous materials or PDMs. Refer to §148.11 of this part for the meaning of each code.

(6) *Column 6: Other Characteristics.* Column 6 contains other pertinent characteristics applicable to specific bulk solid materials listed in Column 1.

(7) *Column 7: Special Requirements.* Column 7 specifies the applicable sections of Part 148 of this chapter that contain detailed special requirements pertaining to stowage and/or transportation of specific bulk solid materials in this part. This column is completed in a manner which indicates that “§148.” precedes the designated numerical entry.

(c) The following requirements apply to combinations of bulk solids carried at the same time and in the same compartment or hold:

<i>Combinations of bulk solid materials</i>	<i>Requirements</i>
(1) Material listed in Table 148.10 carried with any other non-hazardous bulk solid material.	Requirements specified in Table 148.10 for the listed material.
(2) Material carried under Special Permit with any non-hazardous bulk solid material.	Requirements specified in the Special Permit.
(3) Two or more materials listed in Table 148.10	Must apply for a Special Permit.

(d) An owner, agent, master, operator, or person in charge of a vessel or barge carrying materials listed in Table 148.10 of this section must follow

the requirements contained in 46 CFR part 4 for providing notice and reporting of marine casualties and retaining voyage records.

TABLE 148.10—BULK SOLID HAZARDOUS MATERIALS TABLE

Bulk solid material descriptions and bulk cargo shipping names	I.D. No.	Hazard class or division	References	Hazardous or potentially dangerous characteristics (see § 148.11)	Other characteristics	Special requirements (§ 148.* * *)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Aluminum Ferrosilicon Powder.	UN1395	4.3, 6.1	.....	2, 3	Fine powder or briquettes.	135, 255, 405(b), 407, 415(a) & (e), 420(b), 445

TABLE 148.10—BULK SOLID HAZARDOUS MATERIALS TABLE—Continued

Bulk solid material descriptions and bulk cargo shipping names	I.D. No.	Hazard class or division	References	Hazardous or potentially dangerous characteristics (see § 148.11)	Other characteristics	Special requirements (§ 148.* * *)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Aluminum Nitrate	UN1438	5.1	.....	4	Colorless or white crystals.	140
Aluminum Silicon Powder, Uncoated.	UN1398	4.3	.....	2, 3	.....	135, 255, 405(b), 407 415(a) & (e), 420(b), 445
Aluminum Smelting By-products or Aluminum Re-melting Byproducts.	UN3170	4.3	.....	1, 2, 3	Includes aluminum dross, residues, spent cathodes, spent potliner, and skimmings.	135, 405(b), 420(b), 445
Ammonium Nitrate	UN1942	5.1	.....	5, 27	.....	140, 205, 405(a), 407, 410
Ammonium Nitrate Based Fertilizer.	UN2067	5.1	.....	5, 27	.....	140, 205, 405(a), 407, 410
Ammonium Nitrate Based Fertilizer.	UN2071	9	.....	6	Nitrogen, Phosphate, or Potash.	140, 220, 405(a), 407
Barium Nitrate	UN1466	5.1, 6.1	.....	4, 7	.....	140
Brown Coal Briquettes ....	.....	PDM	.....	11, 12, 14, 25	.....	155, 240, 405(b), 407, 415(b), 420(a), 445
<i>Calcium fluoride</i> .....	.....	.....	<i>See Fluoropar.</i>	.....	.	.....
Calcium Nitrate	UN1454	5.1	.....	4	White crystals or powder.	140, 227
<i>Calcium Oxide</i> .....	.....	.....	<i>See Lime, Unslaked.</i>	.....	.	.....
Castor Beans	UN2969	9	.....	10	Whole beans	150, 235
Charcoal .....	.....	PDM	.....	1, 11, 12	Screenings, briquettes.	155
<i>Chili Saltpeter</i> .....	.....	.....	<i>See Sodium Nitrate.</i>	.....	.	.....
<i>Chilean Natural Nitrate</i> ...	.....	.....	<i>See Sodium Nitrate.</i>	.....	.	.....
Coal .....	.....	PDM	.....	11, 12, 13, 14, 25	.....	155, 240, 405(b), 407, 415(b), 420(a) & (c), 445, 450
Copra	UN1363	4.2	.....	11, 12	Dry	130, 242
Direct reduced iron (A) with not more than 5% fines.	.....	PDM	.....	1, 2, 12	Hot-molded briquettes.	155, 250, 420(b)
Direct reduced iron (B) with not more than 5% fines.	.....	PDM	.....	1, 2, 12	Lumps, pellets, and cold-molded briquettes.	155, 245, 405(b), 407, 420(b), 445
Environmentally Hazardous Substances, Solid, n.o.s..	UN3077	9	Hazardous substances listed in 40 CFR part 302.	15	.....	150, 270
Ferrophosphorous .....	.....	PDM	.....	2, 3	Including briquettes	155, 415(e), 445
Ferrosilicon with 30–90% silicon.	UN1408	4.3, 6.1	.....	2, 3	.....	135, 255, 405(b), 407, 415(a) & (e), 420(b), 445

TABLE 148.10—BULK SOLID HAZARDOUS MATERIALS TABLE—Continued

Bulk solid material descriptions and bulk cargo shipping names	I.D. No.	Hazard class or division	References	Hazardous or potentially dangerous characteristics (see § 148.11)	Other characteristics	Special requirements (§ 148.* * *)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Ferrosilicon with 25%–30% silicon or 90% or more silicon.	.....	PDM	.....	.....	.....	155, 255, 405(b), 407, 415 (a) & (e), 420(b), 445
Ferrous Sulfate .....	.....	.....	See Environmentally Hazardous Substances, Solid, n.o.s.	.....	.
Ferrous Metal Borings, Shavings, Turnings, or Cuttings.	UN2793	4.2	.....	11, 12	.....	130, 260
Fish Meal Stabilized or Fish Scrap, Stabilized.	UN2216	9	.....	11, 12	Ground and pelletized (mixture), anti-oxidant treated.	150, 265
Fluorospar .....	.....	PDM	.....	8, 24	.....	155, 440(a), 450
Garbage Tankage .....	.....	.....	See Tankage.	.....	.
Iron Oxide, Spent or Iron Sponge, Spent.	UN1376	4.2	.....	3, 11, 12, 14	.....	130, 275, 415(c), (d) & (f), 445
Iron Swarf .....	.....	.....	See Ferrous Metal Borings, Shavings, Turnings, or Cuttings.	.....	.
Lead Nitrate	UN1469	5.1, 6.1	.....	4, 7, 22, 26	.....	140, 270
Lignite .....	.....	.....	See Brown Coal Briquettes.	.....	.
Lime, Unslaked .....	.....	PDM	.....	1	.....	155, 230
Linted Cotton Seed containing not more than 9% moisture and not more than 20.5% oil.	.....	PDM	.....	11, 12	.....	155
Magnesia, Unslaked .....	.....	PDM	.....	1	Lightburned magnesia, calcined magnesite.	155, 280
Magnesium Nitrate	UN1474	5.1	.....	4	.....	140
Metal Sulfide Concentrates.	.....	PDM	.....	8, 11, 12, 22, 24	Solid, finely divided sulfide concentrates of copper, iron, lead, nickel, zinc, or other metalliferous ores.	155, 285, 450
Peat Moss with moisture content of more than 65% by weight.	.....	PDM	.....	8, 12, 13, 14, 24	Fine to coarse fibrous structure.	155, 290, 450
Pencil Pitch .....	.....	.....	See Pitch Prill.	.....	.
Petroleum Coke calcined or uncalcined at > 55 °C (131 °F).	.....	PDM	.....	11	.....	155, 295
Pitch Prill .....	.....	PDM	.....	14, 16	.....	155
Potassium Nitrate	UN1486	5.1	.....	4	.....	140

TABLE 148.10—BULK SOLID HAZARDOUS MATERIALS TABLE—Continued

Bulk solid material descriptions and bulk cargo shipping names	I.D. No.	Hazard class or division	References	Hazardous or potentially dangerous characteristics (see § 148.11)	Other characteristics	Special requirements (§ 148.2 * *)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>Prilled Coal Tar</i> .....	.....	.....	See Pitch Prill.	.....	.
Pyrites, Calcined .....	.....	PDM	.....	8, 9, 24	Fly ash	155, 225, 450
<i>Pyritic ash</i> .....	.....	.....	See Pyrites, Calcined.	.....	.
<i>Quicklime</i> .....	.....	.....	See Lime, Unslaked.	.....	.
Radioactive Material	UN2912	7	.....	17	Low specific activity	145, 300
Radioactive Material	UN2913	7	.....	17	Surface contaminated objects.	145, 300
<i>Rough Ammonia Tankage.</i>	.....	.....	See Tankage.	.....	.
<i>Saltpeter</i> .....	.....	.....	See Potassium Nitrate.	.....	.
Sawdust .....	.....	PDM	.....	12, 18	.....	155, 405(a), 407
Seed Cake	UN1386	4.2	.....	12, 19	Mechanically expelled or solvent extractions.	130, 310
Seed Cake	UN2217	4.2	.....	12, 19	Solvent extractions	130, 310
Silicomanganese with silicon content of 25% or more.	.....	PDM	.....	2, 3, 12	With known hazard profile or known to evolve gases.	155, 405(b), 407, 415(a) & (d), 420(b), 445
Sodium Nitrate	UN1498	5.1	.....	4	.....	140
Sodium Nitrate and Potassium Nitrate Mixture.	UN1499	5.1	.....	4	Mixtures prepared as fertilizer.	140
<i>Steel Swarf</i> .....	.....	.....	See Ferrous Metal Borings, Shavings, Turnings, or Cuttings.	.....	.
Sulfur	UN1350	4.1	.....	14, 20	Lumps or coarse-grained powder.	125, 315, 405(a), 407, 435
Sulfur	NA1350	9	.....	14, 20	Not subject to the requirements of this subchapter when formed into specific shapes (i.e., prills, granules, pellets, pastiles, or flakes).	125, 315, 405(a), 407, 435
Tankage .....	.....	PDM	.....	11	.....	155, 320
<i>Tankage Fertilizer</i> .....	.....	.....	See Tankage.	.....	.
Vanadium Ore .....	.....	PDM	.....	21	.....	155
Wood chips, Wood Pellets, Wood Pulp Pellets.	.....	PDM	.....	12	.....	155, 325
Zinc Ashes	UN1435	4.3	.....	2, 3, 23	Includes zinc dross, residues, and skimmings.	135, 330, 405(b), 407, 420(b), 435, 445